

## On algebras over multicategories

Tronin S.

*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

### Abstract

© 2016, Allerton Press, Inc. We introduce a notion of a monoidal category over verbal category. In such categories we define algebras over multicategories over the same verbal categories. We also explicitly compute categories of algebras for two classes of multicategories.

<http://dx.doi.org/10.3103/S1066369X16020092>

---

### Keywords

algebra over multicategory, commutative operad, multicategory, multifunctor, natural multitransformation, verbal category